

Converting Colors

$Y_{xy}(35.0320, 0.3185, 0.2067)$

Have a look what the booklet for
Yxy(35.0320, 0.3185, 0.2067)
contains.

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Color

Yxy(35.0166, 0.3184, 0.2070)

Conversions

Conversions Part 1

Format	Color
Hex	E872E8
RGB	232, 114, 232
RGB Percent	91%, 45%, 91%
CMY	0.0902, 0.5529, 0.0901
CMYK	0.00, 0.51, 0.00, 0.09
HSL	300°, 72%, 68%
HSV	300°, 51%, 91%
XYZ	53.8613, 35.0166, 80.2844
YIQ	162.7340, 32.4500, 61.7140

Conversions

Conversions Part 2

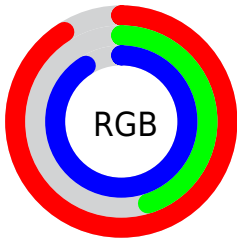
Format	Color
R _Y B	232, 114, 232
Decimal	15233768
CIE Lab	65.76, 61.34, -39.72
CIE LCh	66, 73.075, 327.078
Yxy	35.0166, 0.3184, 0.2070
Android (android.graphics.Color)	4293423848 (0xFFE872E8)
YUV	162.7340, 34.1481, 60.7463
Hunter-Lab	59.1748, 58.9158, -39.0183

Details

The Yxy color **35.0166, 0.3184, 0.2070** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **62.5249, 0.3051, 0.4911**, and the grayscale version is **36.3205, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2295, 0.3166, 0.2460**, and **15.1594, 0.3170, 0.1793** is the 20% darker color. If you saturate the color by 10%, you get **30.4293, 0.3193, 0.1884**, and if you desaturate by 10%, it is **40.9344, 0.3174, 0.2286**.

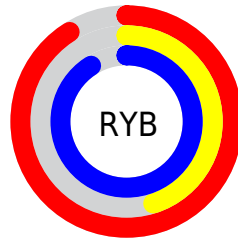
Distribution



Red (91%)

Green (45%)

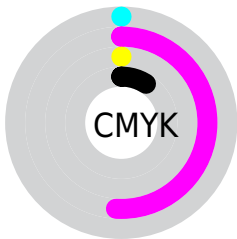
Blue (91%)



Red (91%)

Yellow (45%)

Blue (91%)

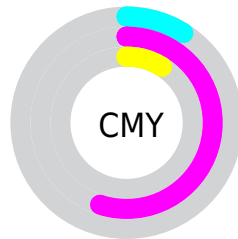


Cyan (0%)

Magenta (51%)

Yellow (0%)

Black (9%)



Cyan (9%)


Magenta (55%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.0166, 0.3184, 0.2070 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 35.0166, 0.3184, 0.2070 by changing the saturation by 10% instead.


 35.0166, 0.3184,
0.2070


 35.0166, 0.3184,
0.2070


324.6416, 0.3180,
0.2635


 23.6757, 0.3179,
0.1943


 67.5115, 0.3188,
0.2265

 15.0932, 0.3168,
0.1789


 89.4342, 0.3188,
0.2341

 8.8848, 0.3149,
0.1599


 115.6530, 0.3187,
0.2407

 4.6661, 0.3113,
0.1359

146.5522, 0.3186,
0.2464

 2.0527, 0.3045,
0.1055

182.5163, 0.3184,
0.2514

 0.6378, 0.2913,
0.0654

223.9297, 0.3183,


 0.0000, 0.2668,

0.2559


0.0000


271.1766, 0.3181,
0.2599


 0.0000, 0.0000,
0.0000


 35.0166, 0.3184,
0.2070


 35.0166, 0.3184,
0.2070


 30.4293, 0.3193,
0.1884


 40.9344, 0.3174,
0.2286


 27.0653, 0.3199,
0.1736


 48.2698, 0.3163,
0.2524

 24.8089, 0.3204,
0.1631

 57.1077, 0.3151,
0.2772

 23.5198, 0.3207,
0.1568

 67.5254, 0.3140,
0.3023

 22.9750, 0.3208,
0.1541

 79.5946, 0.3128,
0.3269

■ 93.3827, 0.3117,
0.3505

■ 94.5108, 0.3116,
0.3522

■ 94.5122, 0.3116,
0.3522

■ 94.5135, 0.3116,
0.3522

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.0166, 0.2207, 0.1771



35.0166, 0.3184, 0.2070



35.0166, 0.4343, 0.2598

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



35.0166, 0.3184, 0.2070



35.0166, 0.4664, 0.4755



35.0166, 0.1443, 0.2800

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



35.0166, 0.3184, 0.2070



62.5249, 0.3051, 0.4911

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



35.0166, 0.1912, 0.4035



35.0166, 0.3184, 0.2070



35.0166, 0.3763, 0.5331

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



35.0166, 0.3184, 0.2070



35.0166, 0.5226, 0.3991



35.0166, 0.2762, 0.5157



35.0166, 0.1360, 0.2048

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



35.0166, 0.3184, 0.2070



35.0166, 0.4957, 0.3032



35.0166, 0.2762, 0.5157



35.0166, 0.1553, 0.3169

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



35.0182, 0.3184, 0.2070



77.9744, 0.3145, 0.2918



21.8910, 0.2155, 0.1700



16.1070, 0.3147, 0.2865



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.0182, 0.3184, 0.2070



37.4791, 0.3193, 0.1876



32.2917, 0.3805, 0.2612



14.6150, 0.3138, 0.3059



12.7515, 0.3208, 0.1541



0.9424, 0.3208, 0.1541

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



30.4132, 0.4586, 0.3294



31.1797, 0.5075, 0.3295



64.2493, 0.2765, 0.4116



14.3681, 0.3293, 0.3290



9.5244, 0.6400, 0.3299



0.7038, 0.6399, 0.3299

Previews

White Background



This preview shows how the Yxy color 35.0166, 0.3184, 0.2070 looks on a white background.

Color Contrast Check

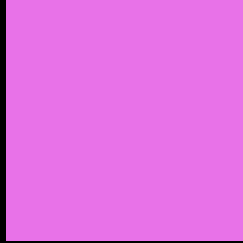
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 35.0166, 0.3184, 0.2070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

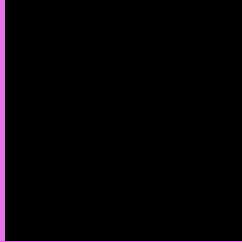
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.0166, 0.3184, 0.2070

Background



This preview shows how black text looks on a background with the Yxy color 35.0166, 0.3184, 0.2070.

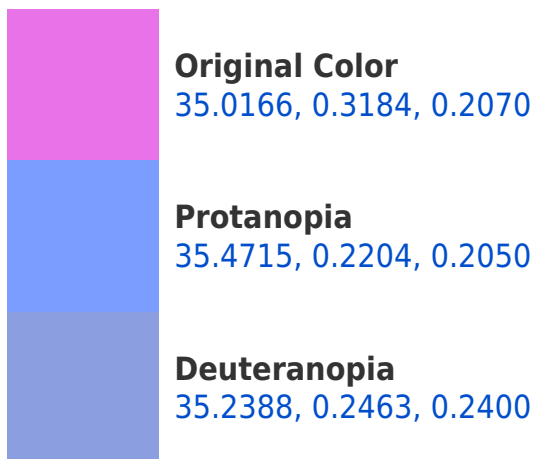


This preview shows how white text looks on a background with the Yxy color 35.0166, 0.3184, 0.2070.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia

34.7444, 0.3980, 0.3172

Trichromacy



Original Color

35.0166, 0.3184, 0.2070



Protanomaly

33.4465, 0.2469, 0.2004



Deuteranomaly

33.6627, 0.2681, 0.2226



Tritanomaly

34.3606, 0.3676, 0.2712

Monochromacy



Original Color

35.0166, 0.3184, 0.2070



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

34.5730, 0.3153, 0.2730

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.0166, 0.3184, 0.2070 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(232, 114, 232)` looks like.

```
.text, #text, p{  
    color:rgb(232, 114, 232)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(232, 114, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 114, 232) }
```

Border

The CSS property to change the border of an element to Yxy 35.0166, 0.3184, 0.2070 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(232, 114, 232) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(232, 114, 232) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(232, 114, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 114, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 114, 232);  
box-shadow:4px 4px 4px 4px rgb(232, 114,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 35.0166, 0.3184, 0.2070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 114, 232) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(232,  
114, 232) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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